

BROADACRE TANK MIX GUIDE

For a stable tank mix, reduced compatibility issues and maximised chemical performance in the paddock.

STEP 1:

Clean Water

Start with 50–70% clean water and get agitation running. Good water quality and strong agitation are critical to getting the mix right from the start.

STEP 2:

Water Conditioners

Examples: Ammonium Sulphate (AMS), LI 700* (when used for conditioning).

- Conditions water by tying up calcium and magnesium.
- Essential before glyphosate to prevent tie-up and loss of activity.
- Must be fully dissolved before moving on.

STEP 3:

Dry Product (WG, WDG, WP, DF, SG)

Examples: Atrazine WG, Simazine WG, Terrador WG*.

- Add slowly with strong agitation.
- Allow full dispersion before adding the next product.
- This is where most mixing issues start if rushed.

STEP 4:

Suspension Concentrates (SC)

Examples: Overwatch*, SC fungicides including Amistar Xtra*, Miravis Star* and Veritas Opti*.

- Already liquid, but require agitation to stay evenly suspended.
- Add after dry products to maintain mix stability.

STEP 5:

Emulsifiable Concentrates (EC)

Examples: Oxyfluorfen 240EC, Clethodim 360EC, Avadex Xtra*.

- Oil-based formulations.
- Add after SCs and allow time to emulsify properly.

STEP 6:

Top Up Water (to ~90% capacity)

Bring the tank up to around 90% full before adding soluble liquids.

- Improves dilution and reduces compatibility issues.
- Particularly important before adding glyphosate, paraquat, or 2,4-D.

STEP 7:

Soluble Liquids

Examples: Paraquat, 2,4-D Amine.

- Mix easily, but should be added into a well-diluted tank.
- Helps avoid antagonism and uneven mixing.

STEP 8:

Glyphosate

Examples: Glyphosate 450, Glyphosate 540.

- Add after AMS and into a near full tank.
- Maintain strong agitation.
- Avoid adding into concentrated mixes.

STEP 9:

Adjuvants, Oils, & Surfactants

Examples: Hasten Spray Adjuvant*, Uptake Oil*, Wetters/Spreaders.

- Always added last unless label directions differ.
- Improve coverage, retention, and uptake.

STEP 10:

Final Top Up

Fill to final volume and keep agitation running until spraying.

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